FIG. 1

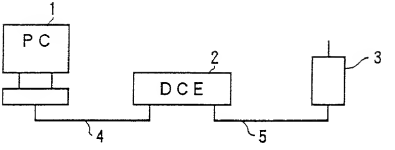

FIG. 2

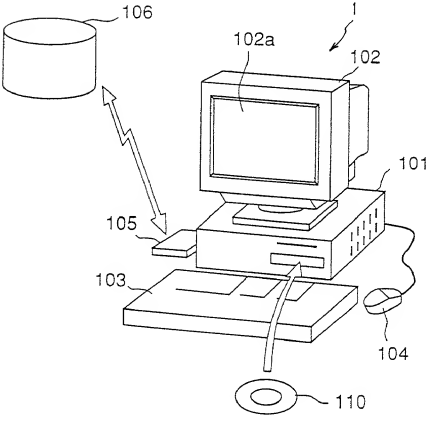

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FIG. 3

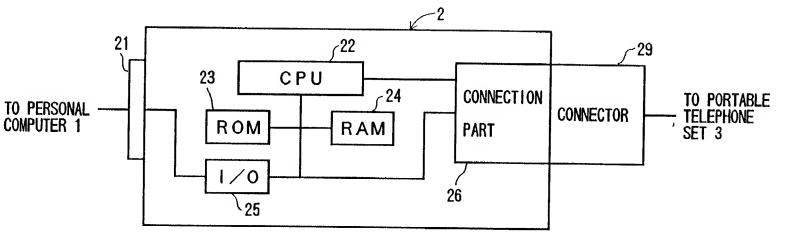

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FIG. 4

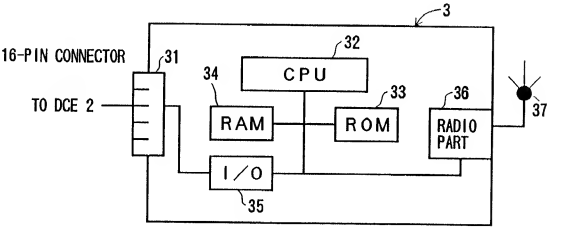

FIG. 5

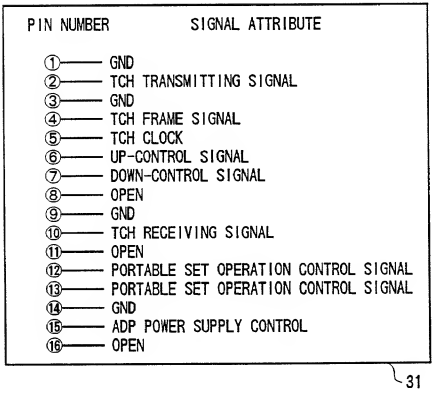
PIN NUMBER
SIGNAL ATTRIBUTE
① GND
② TCH TRANSMITTING SIGNAL
③ GND
④ TCH FRAME SIGNAL
⑤ TCH CLOCK
⑥ UP-CONTROL SIGNAL
⑦ DOWN-CONTROL SIGNAL
⑧ OPEN
⑨ GND
⑩ TCH RECEIVING SIGNAL
⑪ OPEN
⑫ PORTABLE SET OPERATION CONTROL SIGNAL
⑬ PORTABLE SET OPERATION CONTROL SIGNAL
⑭ GND
⑮ ADP POWER SUPPLY CONTROL
⑯ OPEN
31

FIG. 6

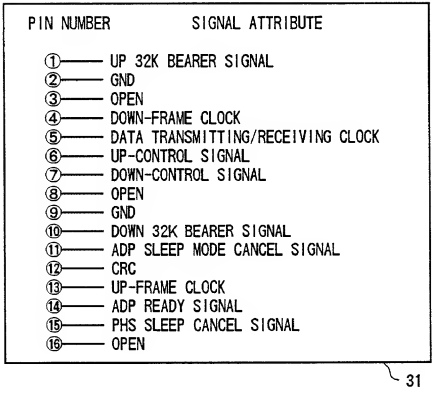
PIN NUMBER
SIGNAL ATTRIBUTE
① UP 32K BEARER SIGNAL
② GND
③ OPEN
④ DOWN-FRAME CLOCK
⑤ DATA TRANSMITTING/RECEIVING CLOCK
⑥ UP-CONTROL SIGNAL
⑦ DOWN-CONTROL SIGNAL
⑧ OPEN
⑨ GND
⑩ DOWN 32K BEARER SIGNAL
⑪ ADP SLEEP MODE CANCEL SIGNAL
⑫ CRC
⑬ UP-FRAME CLOCK
⑭ ADP READY SIGNAL
⑮ PHS SLEEP CANCEL SIGNAL
⑯ OPEN
31

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FIG. 7

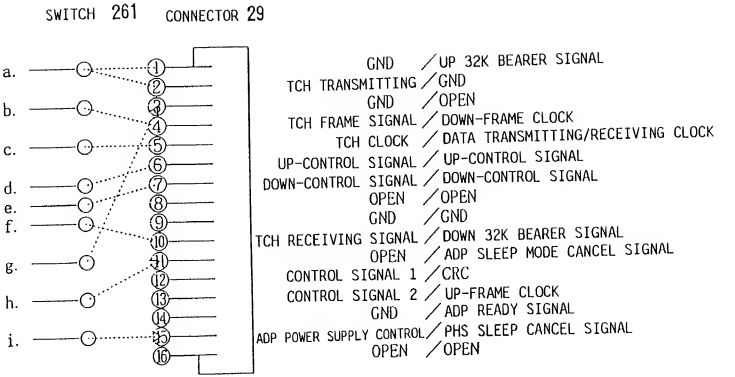

FIG. 8

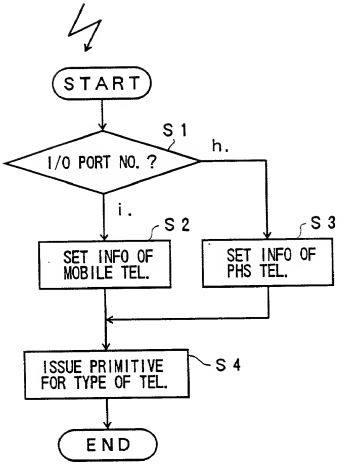
START
I/O PORT NO. ?
S 1
h.
i.
SET INFO OF MOBILE TEL.
S 2
SET INFO OF PHS TEL.
S 3
ISSUE PRIMITIVE FOR TYPE OF TEL.
S 4
END

FIG. 9

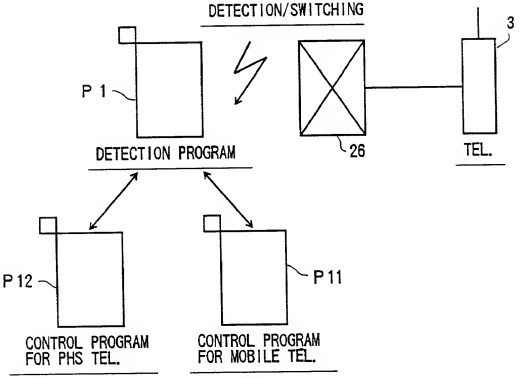
DETECTION/SWITCHING
3
P 1
26
DETECTION PROGRAM
TEL.
P 12
P 11
CONTROL PROGRAM FOR PHS TEL.
CONTROL PROGRAM FOR MOBILE TEL.

FIG. 10

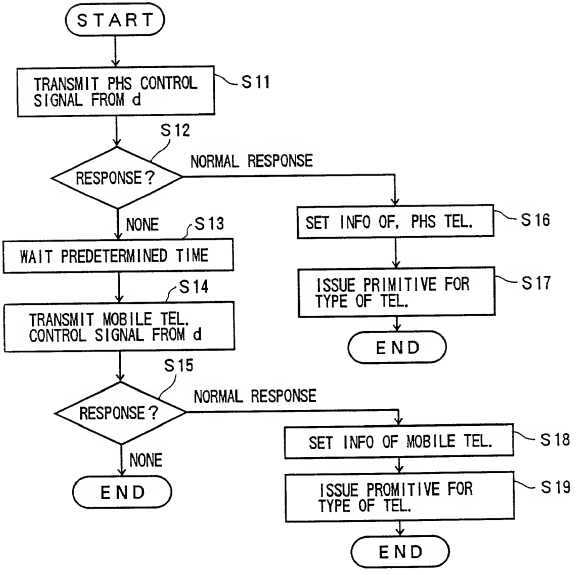
START
TRANSMIT PHS CONTROL SIGNAL FROM d
S11
S12
RESPONSE?
NORMAL RESPONSE
NONE
S13
WAIT PREDETERMINED TIME
S14
TRANSMIT MOBILE TEL. CONTROL SIGNAL FROM d
S15
RESPONSE?
NORMAL RESPONSE
NONE
END
SET INFO OF, PHS TEL.
S16
ISSUE PRIMITIVE FOR TYPE OF TEL.
S17
END
SET INFO OF MOBILE TEL.
S18
ISSUE PROMITIVE FOR TYPE OF TEL.
S19
END

FIG. 11

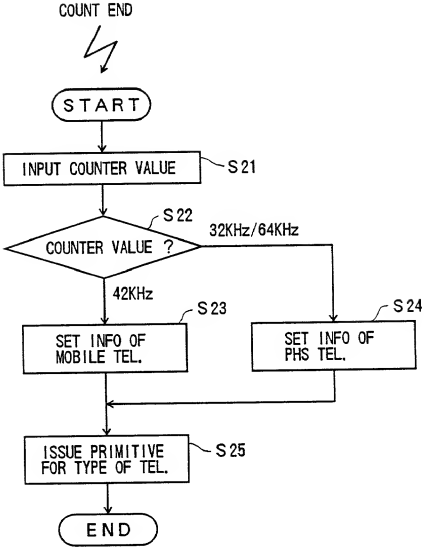
COUNT END
START
INPUT COUNTER VALUE
S21
S22
COUNTER VALUE ?
32KHz/64KHz
42KHz
S23
SET INFO OF MOBILE TEL.
S24
SET INFO OF PHS TEL.
ISSUE PRIMITIVE FOR TYPE OF TEL.
S25
END

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FIG. 12

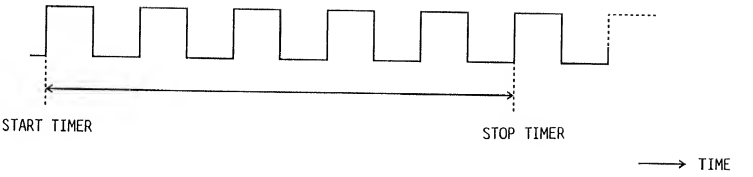

FIG. 13

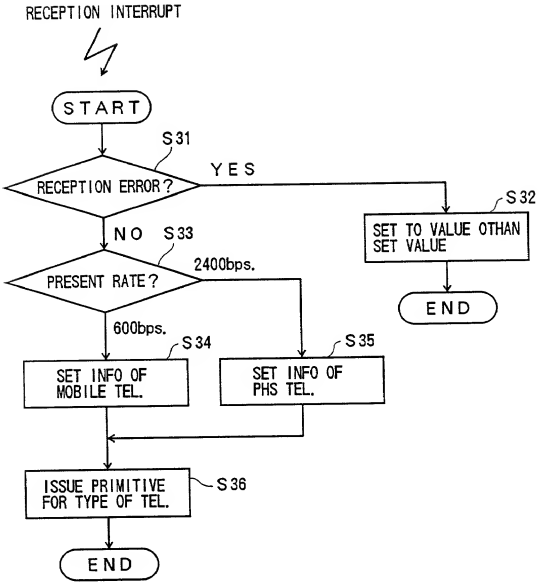
RECEPTION INTERRUPT
START
S31
RECEPTION ERROR?
YES
S32
SET TO VALUE OTHAN SET VALUE
END
NO
S33
PRESENT RATE?
2400bps.
600bps.
S34
SET INFO OF MOBILE TEL.
S35
SET INFO OF PHS TEL.
ISSUE PRIMITIVE FOR TYPE OF TEL.
S36
END

FIG. 14

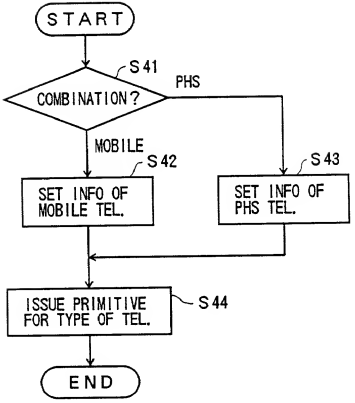
START
S41
COMBINATION?
PHS
MOBILE
S42
SET INFO OF MOBILE TEL.
S43
SET INFO OF PHS TEL.
ISSUE PRIMITIVE FOR TYPE OF TEL.
S44
END

FIG. 15

PIN NUMBER	1	2	3	8	9	11	14	16
MOBILE TEL.	G	—	G	O	G	O	G	O
PHS TEL.	—	G	O	O	G	—	—	O

G : GND
O : OPEN

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FIG. 16A

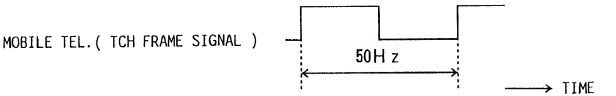

FIG. 16B

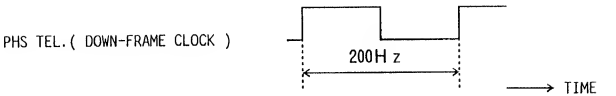

FIG. 17

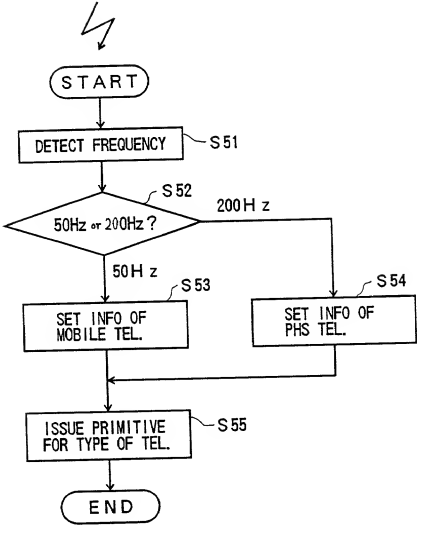
START
DETECT FREQUENCY
S51
S52
50Hz or 200Hz ?
200Hz
50Hz
S53
SET INFO OF MOBILE TEL.
S54
SET INFO OF PHS TEL.
ISSUE PRIMITIVE FOR TYPE OF TEL.
S55
END

FIG. 18

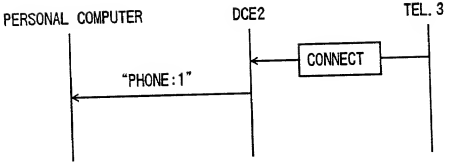

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FIG. 19

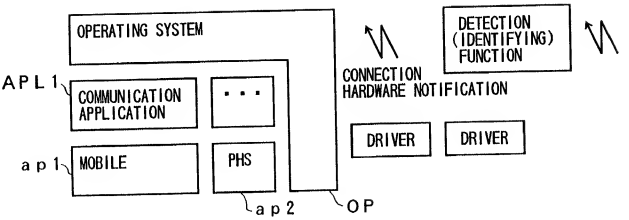

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FIG. 20

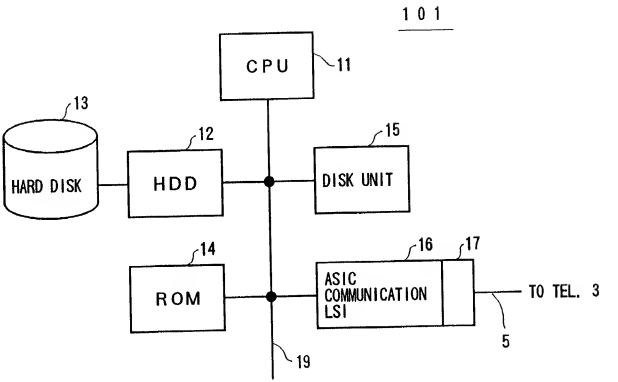


FIG. 21

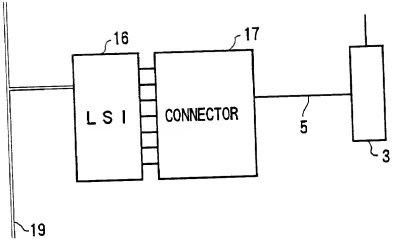
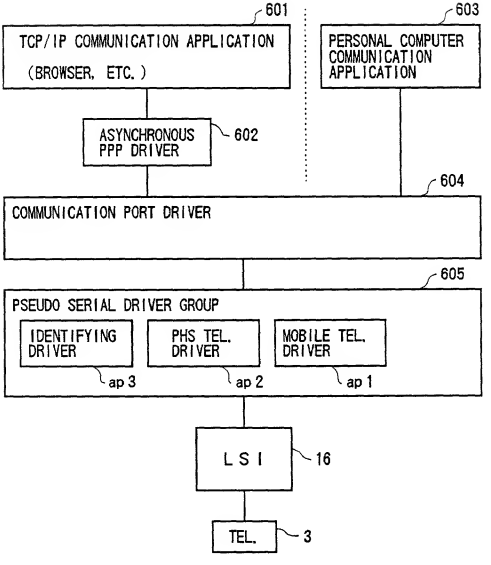


FIG. 22


601
TCP/IP COMMUNICATION APPLICATION
(BROWSER, ETC.)
603
PERSONAL COMPUTER COMMUNICATION APPLICATION
ASYNCHRONOUS PPP DRIVER
602
604
COMMUNICATION PORT DRIVER
605
PSEUDO SERIAL DRIVER GROUP
IDENTIFYING DRIVER
PHS TEL. DRIVER
MOBILE TEL. DRIVER
ap 3
ap 2
ap 1
LSI
16
TEL.
3